

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P146319

Luminaire Tested: **LDRL-T2-E01-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146319
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-T2-E01-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2738.7 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

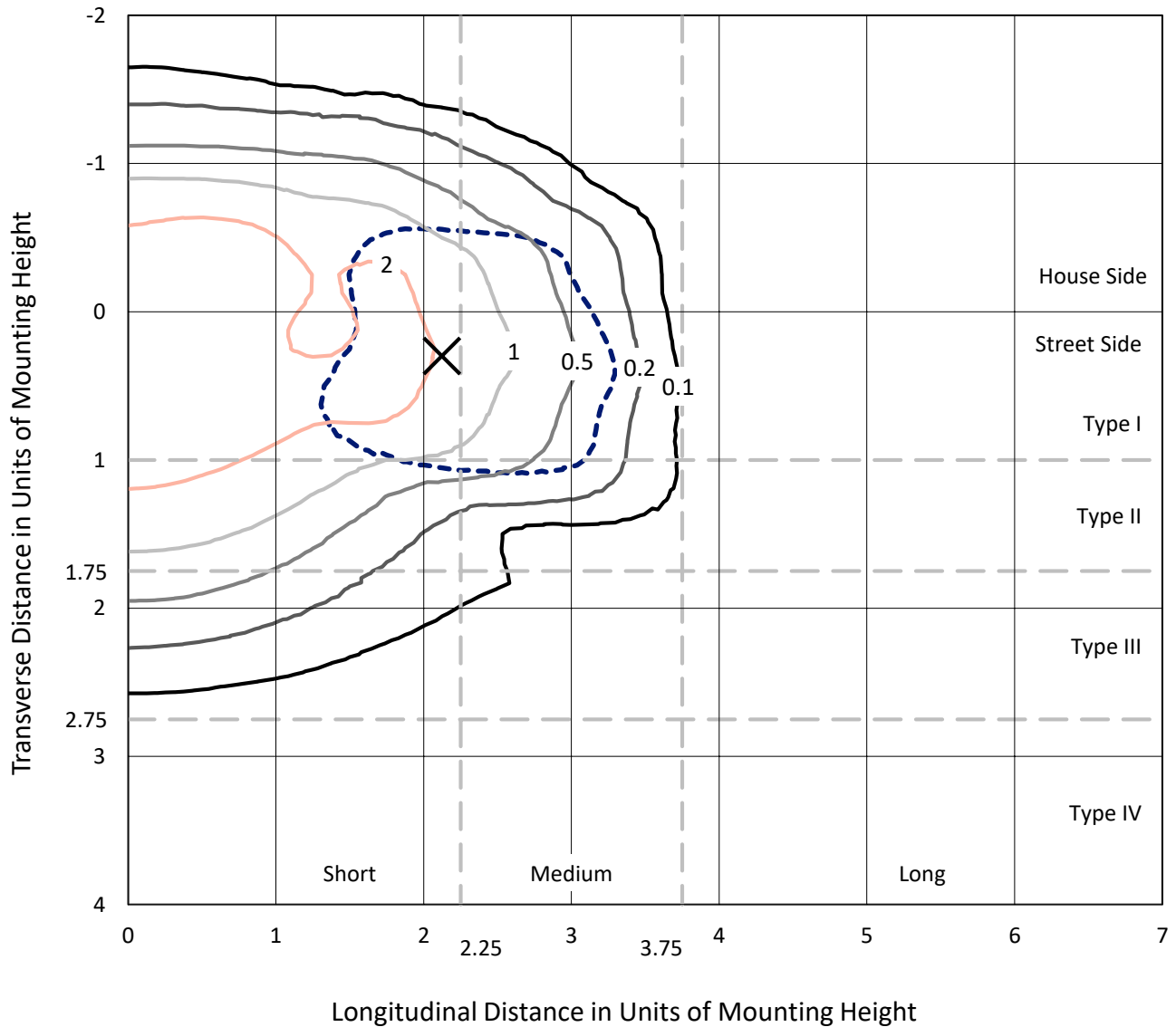
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146319
 CATALOG NUMBER: LDRL-T2-E01-E-7030

Iso-Footcandle Lines of Horizontal Illumination

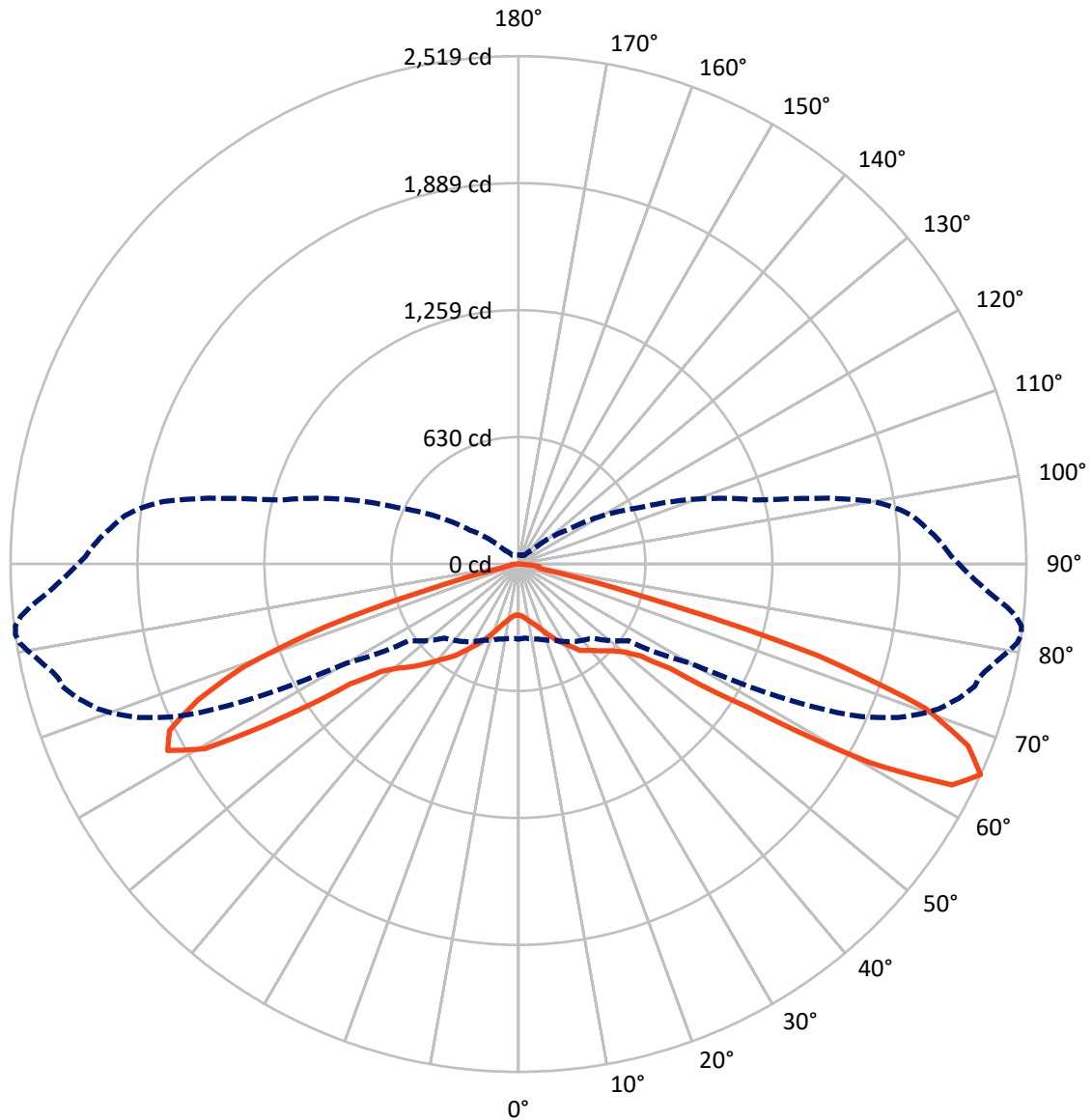
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P146319
CATALOG NUMBER: LDRL-T2-E01-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

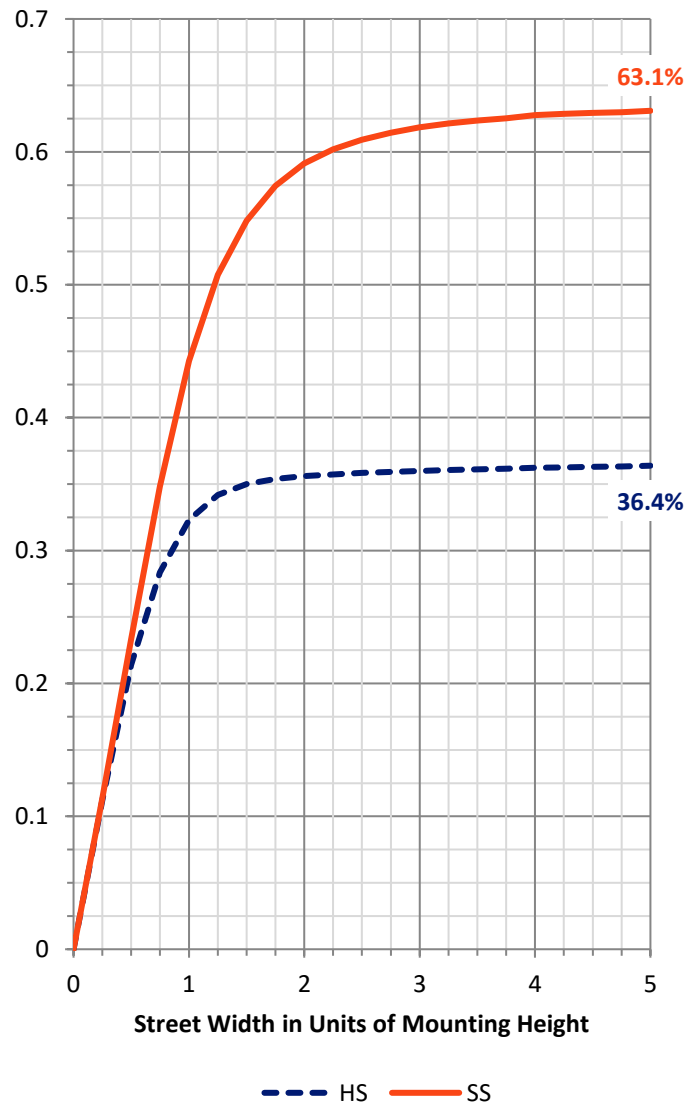
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.1	0.0	1008.1
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	1730.6	0.0	1730.6
	% Fixture	63.2	0.0	63.2
Total	Lumens	2738.7	0.0	2738.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.9
10°-20°	90.7	3.3
20°-30°	179.9	6.6
30°-40°	307.0	11.2
40°-50°	460.3	16.8
50°-60°	640.7	23.4
60°-70°	736.1	26.9
70°-80°	254.0	9.3
80°-90°	44.4	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2738.7	100.0
0°-180°	2738.7	100.0



REPORT NUMBER: P146319

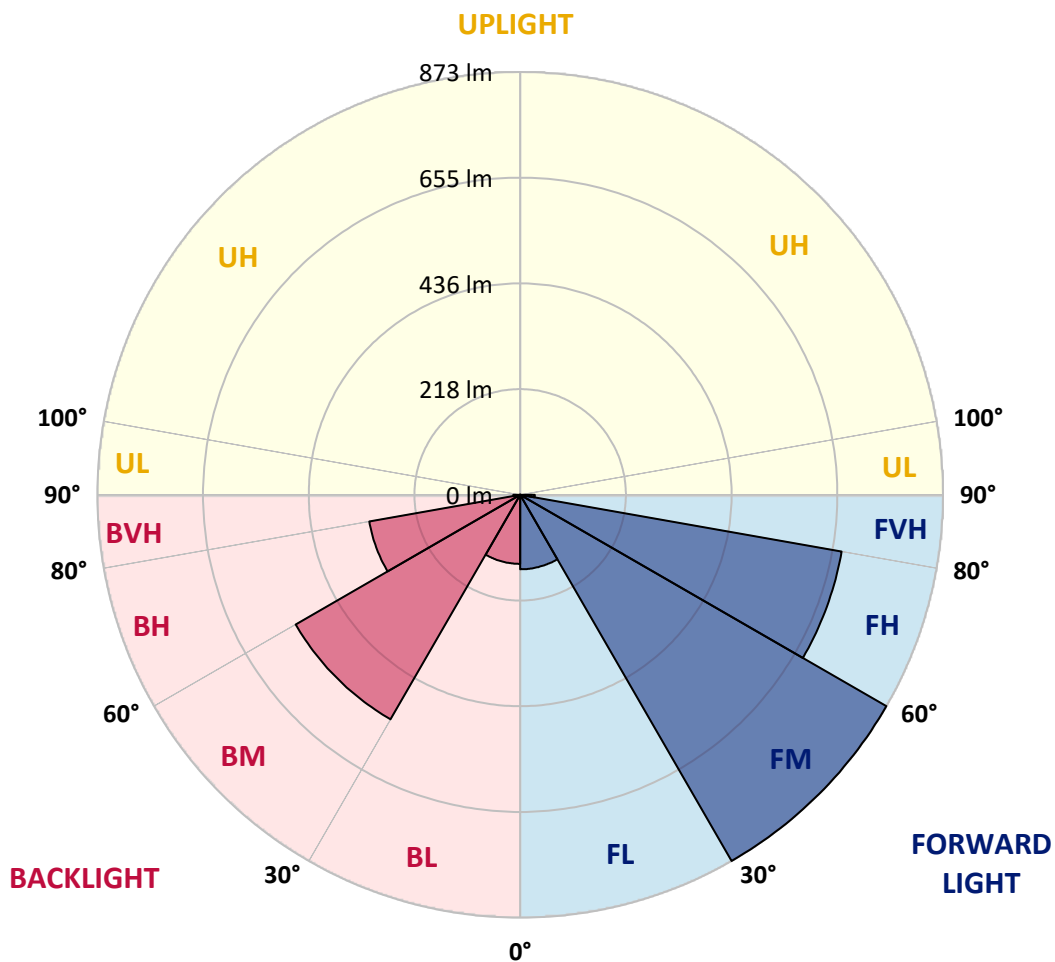
CATALOG NUMBER: LDRL-T2-E01-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.7	5.6			
FM (30°-60°)	872.9	31.9			
FH (60°-80°)	673.8	24.6			G1/1800
FVH (80°-90°)	30.2	1.1			G1/100
BL (0°-30°)	142.6	5.2	B1/500		
BM (30°-60°)	535.0	19.5	B1/1000		
BH (60°-80°)	316.2	11.5	B1/500		G1/500
BVH (80°-90°)	14.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	267.8	267.6	267.4	266.7	266.3	264.9	263.4	262.5	261.8	262.1	261.0
5°	283.3	283.3	282.6	281.7	280.6	278.6	274.9	273.1	272.7	272.7	271.4
7.5°	299.2	300.3	298.3	297.6	295.7	292.6	288.4	286.1	285.3	285.3	284.2
10°	319.3	318.8	316.6	315.1	311.5	307.3	301.6	298.8	297.8	298.7	296.8
12.5°	340.5	340.3	337.0	334.3	329.2	322.4	314.9	311.3	310.5	310.5	309.4
15°	362.1	362.2	358.6	353.5	345.4	336.3	327.9	324.4	323.5	323.1	321.9
17.5°	378.5	380.3	376.7	370.1	360.2	350.2	341.2	337.8	337.6	337.2	335.7
20°	387.8	388.2	386.2	381.4	372.6	363.0	356.8	355.1	354.9	355.1	355.5
22.5°	387.4	388.0	387.3	385.4	379.8	374.5	373.7	374.7	375.2	374.7	375.9
25°	384.5	385.3	385.3	386.2	384.7	386.5	392.4	394.9	395.1	395.5	398.2
27.5°	390.9	391.6	391.5	393.1	394.4	400.8	411.4	415.9	416.5	417.8	420.3
30°	420.5	420.7	417.4	417.2	418.5	423.6	434.4	439.7	439.1	441.7	443.3
32.5°	467.3	468.7	465.4	462.0	461.4	462.2	464.2	467.8	467.3	468.5	470.7
35°	520.6	520.8	519.0	521.0	522.1	517.1	507.6	506.7	503.8	504.4	505.1
37.5°	569.6	570.8	574.3	587.1	594.4	582.4	563.7	552.0	550.2	549.3	542.9
40°	615.4	621.8	630.2	646.8	656.9	661.3	634.8	611.2	604.8	602.3	592.2
42.5°	669.1	672.4	682.3	701.3	714.6	734.5	716.8	690.9	683.4	672.4	659.8
45°	714.6	716.8	723.0	739.1	767.0	800.3	802.3	784.2	778.4	767.4	748.9
47.5°	745.1	744.9	749.5	765.2	801.6	852.3	882.5	881.7	875.0	871.2	855.4
50°	757.0	756.8	759.7	777.3	816.9	883.4	949.9	972.7	972.5	974.0	966.0
52.5°	759.2	759.0	759.4	773.4	813.8	894.2	998.5	1052.4	1060.2	1070.1	1079.0
55°	742.7	744.6	748.6	763.4	802.1	889.8	1034.5	1127.1	1145.9	1166.0	1198.5
57.5°	704.7	708.2	722.1	748.6	789.7	879.0	1059.5	1219.5	1257.7	1306.3	1394.3
60°	650.3	653.4	672.6	707.7	753.5	832.1	1030.4	1258.2	1330.8	1415.1	1595.6
62.5°	554.0	562.8	573.0	597.9	645.9	709.1	900.0	1192.8	1305.2	1429.0	1677.5
65°	372.1	368.4	385.4	417.0	469.8	519.0	663.1	983.9	1126.0	1296.4	1603.8
67.5°	230.3	230.9	242.4	273.3	313.1	351.3	420.3	627.1	753.1	915.2	1284.9
70°	190.3	192.5	201.9	230.5	264.5	307.6	312.0	332.5	388.9	467.3	793.7
72.5°	151.1	152.0	161.5	185.4	233.5	292.6	370.5	252.6	248.2	260.1	402.6
75°	93.7	94.4	99.2	114.5	151.4	228.0	407.9	290.4	272.2	256.8	259.4
77.5°	48.4	49.9	52.4	59.4	79.5	127.3	321.1	368.3	347.4	326.6	285.9
80°	27.4	27.4	29.8	31.4	37.6	51.9	163.3	398.6	435.5	444.4	399.1
82.5°	12.2	13.7	18.4	19.7	21.6	23.7	54.1	239.5	332.3	415.0	512.9
85°	7.3	7.1	11.7	12.8	13.3	11.3	20.3	97.7	155.3	227.2	339.9
87.5°	2.9	3.1	4.9	5.3	6.2	4.6	7.7	21.0	30.9	44.8	63.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	260.9	260.9	260.7	260.5	260.3	259.8	259.6	259.2	259.0	258.5	258.3
5°	271.3	270.7	270.5	270.2	270.0	269.3	269.3	268.5	268.0	267.2	267.1
7.5°	283.7	283.0	282.4	282.0	281.9	280.6	280.6	279.5	279.3	278.4	278.0
10°	296.3	295.7	295.0	294.6	294.5	293.7	293.0	292.3	291.7	291.2	290.4
12.5°	308.9	307.8	307.4	306.9	306.5	306.0	305.8	304.1	304.1	303.6	302.9
15°	321.1	321.0	319.7	319.5	319.1	319.3	318.2	318.4	317.8	316.9	316.6
17.5°	336.1	334.8	335.4	334.5	334.7	334.3	333.9	333.7	334.1	333.9	334.3
20°	354.7	354.4	354.9	353.6	354.9	355.1	354.7	355.7	355.3	355.7	354.6
22.5°	376.8	375.6	375.6	376.5	377.0	378.7	377.8	378.5	379.2	379.8	379.0
25°	399.1	398.8	399.5	400.2	401.3	402.8	402.4	402.6	404.1	405.0	405.2
27.5°	421.8	421.8	424.0	424.0	425.4	427.1	427.6	428.4	429.5	430.7	430.7
30°	445.2	445.2	447.2	449.0	449.7	451.7	452.8	453.9	455.9	456.3	458.0
32.5°	471.8	472.4	474.4	475.5	477.1	479.5	479.9	481.2	483.5	484.3	485.5
35°	506.5	504.7	506.5	508.6	509.5	508.7	512.8	514.4	516.0	517.0	518.6
37.5°	542.3	539.2	539.4	539.1	536.9	538.1	538.1	537.8	538.9	538.7	539.4
40°	587.6	582.2	580.5	577.1	572.3	569.7	567.0	566.6	563.9	565.0	563.0
42.5°	649.8	641.5	637.2	626.4	620.5	613.6	606.8	601.0	597.9	594.4	591.9
45°	735.1	725.4	714.8	697.4	687.4	673.5	664.6	651.2	642.3	634.8	629.5
47.5°	842.1	825.9	817.3	801.0	783.5	762.5	743.3	724.7	709.5	693.1	680.1
50°	966.5	946.2	939.5	917.9	908.1	884.5	864.0	841.0	817.3	792.4	768.7
52.5°	1076.7	1074.3	1077.0	1062.6	1062.2	1050.4	1027.7	1000.8	978.7	953.7	922.5
55°	1208.7	1232.3	1237.4	1235.4	1246.2	1245.8	1243.6	1240.9	1223.3	1187.9	1177.1
57.5°	1441.8	1468.3	1507.4	1525.1	1564.2	1568.8	1604.9	1590.9	1617.7	1610.4	1615.4
60°	1679.1	1760.4	1834.6	1891.0	1945.8	1995.7	2056.7	2082.8	2102.3	2132.9	2165.0
62.5°	1785.2	1887.7	1976.1	2056.5	2124.6	2187.8	2240.3	2290.0	2329.0	2364.1	2391.2
65°	1742.3	1861.2	1947.4	2031.3	2094.9	2153.7	2205.7	2243.0	2281.9	2313.7	2342.4
67.5°	1450.6	1609.0	1721.5	1816.7	1896.5	1963.5	2017.6	2068.9	2096.5	2131.2	2146.7
70°	960.8	1164.0	1323.1	1451.7	1578.3	1654.3	1718.4	1778.1	1809.5	1837.7	1855.0
72.5°	527.7	666.6	836.4	989.3	1111.0	1210.7	1285.4	1342.1	1374.4	1398.5	1373.5
75°	299.0	367.5	450.6	535.2	627.5	697.8	717.5	741.6	747.3	734.9	702.7
77.5°	274.9	274.9	275.1	273.1	277.1	282.0	279.1	274.2	251.9	247.0	240.0
80°	357.5	318.6	276.9	227.4	185.4	156.4	147.4	148.1	155.3	169.2	184.5
82.5°	506.7	468.4	408.3	332.8	264.9	207.9	170.4	153.3	153.1	167.0	186.9
85°	369.5	372.6	359.3	317.8	253.5	199.7	161.3	123.9	111.8	111.8	110.3
87.5°	64.7	66.7	57.5	51.5	36.0	25.4	22.8	20.1	19.9	20.6	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	258.3	257.9	257.6	257.4	257.4	257.0	257.0	256.7	256.8	256.7	256.1
5°	266.7	266.5	266.0	265.1	264.9	264.1	264.3	263.6	263.6	263.2	262.3
7.5°	277.3	276.9	276.6	275.8	275.1	275.1	273.8	273.8	272.9	272.5	271.8
10°	289.9	288.8	288.3	287.5	287.3	287.2	285.9	285.9	284.8	284.6	284.1
12.5°	302.3	301.6	301.0	300.7	299.8	299.6	299.0	298.5	297.9	297.6	297.4
15°	315.8	315.5	314.9	314.9	314.9	314.0	313.5	313.1	313.1	312.5	312.9
17.5°	333.4	333.9	333.2	332.8	332.3	332.2	332.3	332.3	332.8	332.8	331.5
20°	355.1	355.8	355.1	355.3	354.9	355.1	355.3	355.7	356.4	355.1	355.3
22.5°	379.2	379.4	380.0	379.4	380.3	379.8	380.9	381.8	381.6	381.2	381.4
25°	405.5	405.0	405.2	406.8	408.1	407.7	407.9	409.4	409.0	408.6	408.8
27.5°	432.2	431.8	432.4	433.8	435.3	435.1	434.8	435.9	435.9	434.9	435.3
30°	458.7	459.2	460.1	460.1	460.9	461.6	461.1	462.3	462.5	461.8	462.7
32.5°	486.6	487.7	487.4	489.9	489.9	490.1	490.7	490.5	492.3	490.8	491.4
35°	520.2	520.6	522.8	524.6	525.7	526.6	526.6	527.2	528.1	527.4	528.5
37.5°	540.7	541.4	542.2	543.3	543.3	543.3	544.2	544.4	544.9	544.7	545.1
40°	563.2	563.4	563.5	563.7	564.5	564.8	563.9	565.2	564.3	564.6	565.2
42.5°	590.4	587.8	588.2	587.6	588.9	587.3	587.6	589.1	588.4	589.5	589.5
45°	622.0	619.1	616.5	615.1	615.1	612.9	613.2	613.8	614.7	616.1	618.7
47.5°	668.8	658.7	653.8	648.7	646.1	643.4	644.3	644.5	644.8	647.2	653.6
50°	745.3	728.5	715.5	700.0	694.1	689.4	686.7	686.8	686.8	691.8	698.2
52.5°	893.3	862.0	831.1	804.1	780.9	769.8	756.8	753.5	753.7	757.9	762.3
55°	1148.8	1105.9	1073.2	1013.1	994.8	943.5	916.5	900.9	888.9	894.7	901.1
57.5°	1607.3	1567.7	1541.7	1469.9	1404.6	1385.9	1341.5	1305.5	1290.7	1273.6	1274.7
60°	2169.8	2149.3	2142.7	2100.7	2077.1	2003.9	1998.0	1952.6	1909.6	1872.6	1887.7
62.5°	2412.0	2421.5	2429.1	2443.9	2449.6	2442.7	2413.3	2393.2	2357.9	2309.3	2279.5
65°	2350.8	2372.5	2405.2	2436.1	2473.0	2503.7	2518.8	2513.0	2481.2	2431.2	2368.7
67.5°	2157.9	2180.0	2208.1	2247.2	2303.7	2363.4	2405.0	2431.5	2406.3	2361.2	2297.6
70°	1854.1	1875.7	1876.6	1931.2	1992.0	2067.3	2141.1	2168.8	2140.2	2110.0	2056.9
72.5°	1388.7	1375.7	1387.7	1397.8	1432.5	1480.0	1551.6	1548.5	1504.7	1481.3	1399.6
75°	652.7	643.9	631.1	622.7	614.7	597.9	605.9	571.6	559.7	564.5	493.9
77.5°	234.7	222.7	203.3	184.5	160.7	133.2	112.3	98.6	91.9	92.1	87.9
80°	196.9	202.8	200.0	181.4	154.7	125.9	94.3	71.4	61.0	56.6	53.9
82.5°	213.5	243.0	257.6	246.1	207.9	160.0	103.0	62.3	45.7	39.1	37.4
85°	118.4	118.6	114.9	109.8	97.4	66.9	44.6	29.6	23.7	21.2	20.5
87.5°	20.1	19.2	19.2	17.9	15.7	15.3	13.7	13.0	11.5	10.6	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	255.6	255.2	255.0	254.8	254.8	254.6	254.6	254.3	253.9	253.7	253.5
5°	261.4	261.0	260.7	260.3	260.3	259.9	259.6	259.2	258.7	257.7	257.6
7.5°	271.3	270.5	270.5	269.3	269.3	268.5	268.0	268.0	267.2	265.8	265.6
10°	283.5	282.2	281.7	280.9	280.6	279.9	279.9	279.1	278.8	278.2	276.4
12.5°	296.7	295.7	295.4	294.5	293.9	293.9	293.6	292.3	293.2	291.9	291.0
15°	312.5	312.4	310.7	311.3	311.1	310.9	311.1	310.0	309.8	309.8	308.7
17.5°	332.5	331.0	331.2	331.2	331.5	331.5	330.1	330.8	331.0	330.6	330.3
20°	355.8	355.3	355.8	354.7	355.8	355.8	356.6	356.4	356.6	356.9	356.9
22.5°	380.9	382.3	382.5	382.9	381.6	383.8	383.8	384.2	385.1	385.1	385.4
25°	411.2	410.5	409.5	410.8	411.2	412.7	413.0	413.0	414.5	414.5	415.0
27.5°	436.4	437.1	436.9	437.7	437.3	439.3	440.1	442.2	441.7	442.8	444.3
30°	462.3	463.8	463.1	463.3	464.2	465.4	466.9	469.1	469.5	472.4	473.1
32.5°	492.3	493.4	494.3	494.7	494.7	496.9	499.2	500.0	503.8	506.0	508.6
35°	530.3	530.5	531.0	531.6	531.2	533.6	536.0	536.7	540.7	541.3	546.5
37.5°	546.4	546.7	548.9	550.0	550.8	553.7	558.1	561.3	565.7	569.9	576.0
40°	566.5	568.7	570.7	572.3	575.0	579.1	585.8	589.1	595.7	603.5	609.4
42.5°	591.9	595.9	597.3	600.4	607.2	612.1	618.9	626.0	634.8	644.3	651.2
45°	622.0	625.8	631.3	634.8	642.6	650.5	661.3	667.5	676.4	687.4	695.1
47.5°	658.5	663.8	669.3	676.4	685.7	694.0	704.7	712.8	721.7	730.7	739.1
50°	704.0	711.9	719.2	726.7	739.1	746.0	756.6	765.0	773.4	782.4	790.0
52.5°	765.2	777.1	786.4	791.5	808.3	815.3	828.2	834.1	841.0	849.1	858.9
55°	898.7	917.2	932.9	942.0	967.6	976.7	993.5	1002.1	997.4	1007.6	1025.3
57.5°	1284.9	1307.6	1326.4	1338.8	1364.9	1377.7	1378.6	1410.8	1391.8	1410.6	1413.3
60°	1847.3	1865.2	1860.7	1860.9	1852.6	1840.8	1863.6	1828.9	1843.5	1844.4	1811.7
62.5°	2224.6	2197.2	2184.4	2163.2	2138.5	2119.5	2106.6	2078.6	2056.3	2038.6	2004.1
65°	2313.3	2265.8	2223.8	2184.2	2147.8	2122.6	2095.2	2065.3	2030.4	2001.0	1967.4
67.5°	2227.5	2161.0	2098.7	2046.5	1996.8	1963.5	1923.9	1895.4	1851.5	1812.8	1787.2
70°	1978.5	1886.4	1813.7	1780.3	1731.0	1659.6	1621.7	1586.1	1559.3	1524.2	1508.7
72.5°	1387.9	1274.3	1218.2	1220.4	1170.4	1119.2	1120.5	1098.8	1064.1	1063.0	1057.7
75°	510.0	464.0	431.6	433.1	414.5	394.6	400.0	405.9	394.6	417.6	382.0
77.5°	81.1	78.9	78.2	76.5	72.5	75.4	73.4	77.3	77.8	82.0	82.4
80°	51.7	49.5	49.0	48.0	47.9	47.9	47.5	47.5	47.5	47.7	47.3
82.5°	34.5	33.2	33.1	32.5	33.4	33.6	33.8	35.3	36.5	36.9	38.4
85°	18.8	17.9	17.9	17.5	18.3	18.4	20.1	22.1	24.7	25.8	28.1
87.5°	9.5	10.0	9.9	10.2	10.8	12.1	13.3	14.6	16.1	18.1	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	253.2	253.0	253.0	252.6	252.6	252.5	252.1	251.7	250.1	248.1	246.8
5°	257.0	256.7	256.5	256.1	255.6	255.6	255.0	254.3	251.2	247.9	245.9
7.5°	264.9	264.7	264.1	263.4	262.7	261.9	261.6	261.2	256.5	253.4	251.9
10°	276.2	276.0	274.7	274.6	273.5	273.6	272.7	272.0	268.9	265.4	263.4
12.5°	290.6	291.4	290.6	289.0	289.3	288.8	287.9	287.0	284.2	281.5	278.4
15°	308.5	307.6	306.9	308.3	307.1	306.9	307.4	307.6	304.3	301.4	297.0
17.5°	330.8	330.8	330.5	330.8	330.1	330.6	330.3	330.6	329.2	325.2	318.8
20°	356.2	357.7	357.7	357.1	356.9	358.0	358.6	356.6	356.9	353.5	342.0
22.5°	385.8	386.9	387.3	386.7	386.9	388.4	389.3	387.8	391.1	385.4	367.7
25°	416.3	417.9	417.2	417.4	418.9	420.5	422.2	420.7	427.1	418.3	395.1
27.5°	446.4	447.9	447.5	448.6	451.0	453.2	455.0	454.5	465.1	453.6	424.0
30°	474.9	478.4	479.1	480.4	483.3	487.0	489.9	489.7	503.4	487.9	447.5
32.5°	510.0	513.9	515.3	518.1	523.7	526.3	529.9	530.3	544.0	518.1	467.5
35°	550.6	554.4	557.5	559.5	565.9	569.0	572.7	574.3	583.4	546.2	481.3
37.5°	582.0	585.3	591.3	595.5	601.2	607.4	611.6	613.6	618.7	570.3	487.7
40°	616.3	623.5	629.3	635.7	641.9	646.8	650.7	653.8	651.8	590.4	485.0
42.5°	659.8	667.3	675.1	680.6	683.9	690.5	692.3	694.5	678.1	599.5	472.6
45°	705.1	711.1	717.7	721.7	726.1	729.4	729.9	730.1	697.6	594.2	450.1
47.5°	748.8	753.9	758.4	760.6	762.8	763.0	762.1	760.6	708.0	576.3	423.1
50°	796.6	799.7	801.7	801.9	803.9	800.1	797.5	790.8	706.9	548.9	394.6
52.5°	865.5	864.8	862.2	862.0	855.6	848.3	843.6	833.9	699.4	519.3	361.7
55°	1023.7	1016.7	1024.8	1004.3	987.3	976.0	949.2	929.6	706.9	491.7	323.9
57.5°	1403.8	1380.1	1382.6	1349.6	1313.4	1245.6	1205.6	1151.6	765.8	476.4	276.2
60°	1804.8	1765.7	1728.8	1670.2	1593.2	1507.2	1429.8	1345.2	824.2	457.6	225.4
62.5°	1970.3	1919.9	1855.7	1773.0	1674.2	1567.5	1460.4	1364.0	792.1	401.0	162.4
65°	1916.9	1856.7	1788.3	1680.4	1568.2	1444.2	1326.9	1225.0	659.6	293.2	98.1
67.5°	1727.5	1675.6	1591.4	1489.5	1350.7	1226.3	1110.3	1016.0	486.3	181.2	56.3
70°	1454.6	1382.8	1310.8	1212.9	1066.6	949.3	841.4	758.1	308.5	89.5	41.5
72.5°	1004.0	947.1	889.6	801.9	692.7	611.9	519.1	450.6	161.5	48.2	38.2
75°	391.1	384.9	378.3	338.5	301.4	241.5	212.1	191.3	67.2	41.8	37.6
77.5°	85.9	91.0	93.9	89.0	84.8	75.6	72.3	64.7	44.9	42.9	37.3
80°	47.3	47.3	47.3	47.9	46.9	46.9	46.4	45.5	42.0	42.9	36.5
82.5°	38.7	39.3	40.0	40.2	40.0	40.2	39.8	39.6	41.1	43.1	34.7
85°	29.6	31.4	32.5	34.0	35.4	36.4	36.7	36.9	37.8	40.9	30.3
87.5°	21.0	22.5	24.8	25.2	26.9	28.9	29.6	30.7	30.1	31.1	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146319

CATALOG NUMBER: LDRL-T2-E01-E-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	253.7	253.7	253.7	253.7	253.7
2.5°	245.7	244.2	243.7	243.5	243.1
5°	244.2	243.3	242.6	242.0	242.4
7.5°	250.8	250.3	249.0	248.6	249.2
10°	262.5	261.2	259.4	259.6	259.4
12.5°	277.1	273.6	270.7	269.4	268.5
15°	292.1	285.3	279.3	276.6	275.5
17.5°	308.7	297.2	287.9	283.0	282.0
20°	326.2	310.4	298.3	292.5	291.5
22.5°	346.5	324.6	309.3	301.2	299.9
25°	366.3	337.4	316.9	307.1	305.4
27.5°	384.2	347.1	321.5	309.8	308.2
30°	399.1	354.7	325.3	312.0	310.2
32.5°	409.0	358.9	326.6	312.2	310.0
35°	412.1	356.2	321.1	304.5	302.7
37.5°	405.5	345.1	306.5	287.7	286.2
40°	390.5	324.4	283.5	264.0	262.1
42.5°	367.2	298.3	256.8	236.2	234.5
45°	341.2	270.4	228.5	207.9	206.2
47.5°	312.9	240.8	198.7	179.7	177.2
50°	281.9	208.6	168.4	149.8	147.4
52.5°	245.5	173.5	136.3	119.5	118.0
55°	202.9	138.3	108.5	96.3	94.8
57.5°	157.8	105.2	86.2	80.2	77.8
60°	114.5	80.0	68.7	65.8	64.5
62.5°	77.8	59.7	55.3	54.4	53.5
65°	52.8	46.8	45.5	45.7	45.1
67.5°	41.6	39.3	38.5	38.9	38.7
70°	36.5	34.7	34.5	34.9	34.7
72.5°	34.5	32.1	32.5	33.1	32.9
75°	33.6	31.1	31.8	32.1	31.2
77.5°	32.7	29.4	31.6	32.3	30.5
80°	31.4	27.9	33.1	32.7	29.2
82.5°	28.7	24.7	32.3	29.6	26.3
85°	23.4	18.4	36.4	26.1	19.2
87.5°	15.0	11.1	25.2	19.9	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)